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WORK ASSIGNMENT

Medley Farm NPL Site
Gaffney, Cherokee County
South Carolina

Site Lead: EPA/Enforcement

I. SITE DESCRIPTION AND HISTORY

The Medley Farm site (also known as the Burnt Gin site) is located on County Road 72 (Burnt Gin Road) off State Route 18 in White Plains Township, South Carolina, approximately six miles south of Gaffney, South Carolina. The disposal area is an approximately 7-acre plot of land within a 65.4-acre parcel owned by Ralph C. Medley.

From approximately 1966 to 1976, the site was used as a waste disposal site. The site, at one time, contained up to 2,000 55-gallon drums along with six on-site lagoons that held an estimated 70,000 gallons of water and an unknown volume of sludge and solid waste material.

The site was the scene of an EPA cleanup action that occurred between June 20, 1983 and July 21, 1983. The immediate removal included the removal of 5,383 15 and 55-gallon containers/drums, the removal of approximately 2,132 cubic yards of contaminated soil and solid waste along with 24,200 gallons of liquid waste. The cleanup action included the removal and back filling of the six lagoons. The wastes were shipped to an approved hazardous waste facility.

The waste material removed from the site included industrial solvents, insoluble organics (polyesters and resin), alcohols, acids, bases and a small amount of PCBs. Among the contaminants found were significant levels of methylene chloride, vinyl chloride, tetrachloroethylene, phenol, toluene, trichloroethylene, and 1,2-dichloroethane. In addition, sampling of an adjacent homeowner's well in May 1983 revealed contamination by methylene chloride. This was confirmed by sampling in November 1983.

In November 1983, NUS, EPA's contractor, issued a report from a geophysical study conducted during the first week of August 1983. The study included geophysical surveying by means of an electromagnetometer, magnetometer, and an electrical resistivity survey. The geology of this area is characterized by fractured and faulted igneous and metamorphic rocks.

II. LEVEL OF EFFORT

Level of Effort: 1,000 hours

Cost/Fee: $60,000

III. STATEMENT OF WORK

The Contractor (TES III) shall review the existing file(s) on the site in preparation to review the PRPs' draft work plan and develop an RI/FS oversight work plan. Once the PRPs submit their project operations plan and establish milestone dates for the implementation of their work plan, the oversight work plan will be modified to reflect the specifics of the oversight. TES III will also assist EPA in meetings with the PRPs and their consultant(s) over technical issues.

The oversight work plan will include, at a minimum, the following RI/FS oversight tasks: technical review of the PRPs' draft work plan, the draft project operations plan, and the draft quality assurance project plan, share in the oversight of field activities including sample collection, drilling, well installation, geophysical surveying, and a technical review of the draft and revised draft of the RI/FS report.

As part of this assignment, monthly reports from TES III will be required. These reports, at a minimum, will describe the actions/activities overflowed/performed, field notes and pictures, problems identified, and an evaluation of the quality of the field work performed by the PRPs' contractor(s). These monthly progress reports will also contain a budget analysis. In addition to the monthly reports, weekly reports may be required while field work is being undertaken. The need of these weekly report will depend on the degree of oversight performed by TES III.

While field work is being performed, the oversight contractor shall have qualified technical personnel on-site to oversee the PRPs and their contractor(s). For budgeting purposes, assume having a person on site continuously throughout the field work. This may not materialize as some of the oversight will be performed by ESD personnel and the Regional Project Manager. TES III shall keep a daily log of events on-site and will review the PRPs' work to assure that it is technically sound and in concurrence with the work plan and project operations plan approved by EPA as well as in conformance with EPA, Region IV's Field and Sampling Protocols.

TES III will collect split samples with the PRPs for analysis by the CLP. The work plan for this assignment shall include a sampling plan detailing the number and

types of split samples to be collected and analyzed. The samplingactivities will be in conformance with EPA, Region IV's Field and Sampling Protocols as specified in the "Standard Operating Procedures and Quality Assurance Manual" dated April 1, 1986 and as updated. TES III shall submit blanks and spikes to the PRPs' contractor(s). These blanks and spikes will be obtained from EPA's laboratory in Athens, Georgia. Whenever collecting samples for splits, TES III will employ the labelling system the PRPs' contractor uses in identifying samples for the lab. EPA may overview TES III in the field. Technical reviews of the draft work plan, draft project operations plan, draft quality assurance project plan and the draft and revised RI/FS reports will be necessary. These documents will be reviewed and comments transmitted to EPA in a timely fashion.

The person to perform the actual field oversight will have a working knowledge of rock coring/air hammering, monitor well installation, aquifer pump testing, Packer testing as well as fractured rock geology/hydrogeology.

IV. LIST OF POTENTIALLY RESPONSIBLE PARTIES (PRPs)

Owners/Operators

1. Ralph C. Medley
2. Clyde and Grace Medley
3. Barry Medley
4. Medley's Concrete Works

Generators

1. National Starch & Chemical Corporation
2. Charles S. Tanner Company
3. Ethox Chemicals, Inc.
4. Milliken & Company
5. ABCO
6. Tanner Chemical Company
7. Polymer Industries
8. BASF Corporation
9. Unisphere Chemical Corporation

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